CONTENTS OF VOLUME 13

ARTICLES

ADAMS, HENRY E. See LINDEMAN, HERMAN H.

BARTLETT, NEIL R. A Comparison of Manual Reaction Times as Measured by Three Sensitive Indices 51

BARTLEY, S. HOWARD Perspectives in Psychology: XXII. Progress in the Understanding of Perception 89

BIJOU, SIDNEY W. Theory and Research in Mental (Developmental) Retardation 95

BINDRA, DALBIR Effects of Nonreinforcement, Drive-Diminution, and punishment on Relevant and Irrelevant Behavior in the Runway 273

BROWNING, ROBERT See ROBERTSON, MALCOLM

CAHOON, D. D. and WENRICH, W. W. Note: Science, Psychotherapy and the Social Maintenance of Neurotic Behavior 399

CLINE, VICTOR B., RICHARDS, JAMES M. JR., and NEEDHAM, WALTER, E. A Factor Analytic Study of the Father Form of the Parental Attitude Research Instrument 65

CORREIA, MANNING J. See SIEGEL, PAUL S.

DOEHRING, D. G. and HELMER, J. E. Psychophysiological Responses to Variable-Interval Reinforcement in a Human Operant Situation 283

DOEHRING, D. G. and HELMER, J. E. Psychophysiological Responses to Fixed-Ratio Reinforcement 389

DYAL, JAMES A. Latent Extinction as a Function of Number of Training Trials 407

FEIBLEMAN, JAMES K. Childhood: A Study in Philosophical Psychology 329

GRAY, PHILLIP HOWARD A Checklist of Papers Since 1951 Dealing with Imprinting in Birds 445

GROSSLIGHT, JOSEPH H. and LIVELY, BARRY L. The Mynah Bird (*Gracula Religiosa*) As a Laboratory Organism: Some General Observations 1

HARTMAN, ALAN M. and RICE, HAROLD K. Observations of a Beaver (*Castor canadensis carolinesis*), Care, 24-Hour Activity Records and Performance on Simple Learning Tasks 317

HELMER, J. E. See DOEHRING, D. G.

JOHNSTON, M. See ULRICH, R.

KANTOR, J. R. Behaviorism: Whose Image? 499

KATZ, SANFORD The Reaction Time of Mediated Responses 57

KELLOGG, WINTHROP N. and RICE, CHARLES E. Visual Discrimination in a Bottlenose Porpoise 483

KESNER, RAY See PAUL, COLEMAN

U of N Bindery

CONTENTS OF VOLUME 13

ARTICLES

ADAMS, HENRY E. See LINDEMAN, HERMAN H.

BARTLETT, NEIL R. A Comparison of Manual Reaction Times as Measured by Three Sensitive Indices 51

BARTLEY, S. HOWARD Perspectives in Psychology: XXII. Progress in the Understanding of Perception 89

BIJOU, SIDNEY W. Theory and Research in Mental (Developmental) Retardation 95

BINDRA, DALBIR Effects of Nonreinforcement, Drive-Diminution, and punishment on Relevant and Irrelevant Behavior in the Runway 273

BROWNING, ROBERT See ROBERTSON, MALCOLM

CAHOON, D. D. and WENRICH, W. W. Note: Science, Psychotherapy and the Social Maintenance of Neurotic Behavior 399

CLINE, VICTOR B., RICHARDS, JAMES M. JR., and NEEDHAM, WALTER, E. A Factor Analytic Study of the Father Form of the Parental Attitude Research Instrument 65

CORREIA, MANNING J. See SIEGEL, PAUL S.

DOEHRING, D. G. and HELMER, J. E. Psychophysiological Responses to Variable-Interval Reinforcement in a Human Operant Situation 283

DOEHRING, D. G. and HELMER, J. E. Psychophysiological Responses to Fixed-Ratio Reinforcement 389

DYAL, JAMES A. Latent Extinction as a Function of Number of Training Trials 407

FEIBLEMAN, JAMES K. Childhood: A Study in Philosophical Psychology 329

GRAY, PHILLIP HOWARD A Checklist of Papers Since 1951 Dealing with Imprinting in Birds 445

GROSSLIGHT, JOSEPH H. and LIVELY, BARRY L. The Mynah Bird (*Gracula Religiosa*) As a Laboratory Organism: Some General Observations 1

HARTMAN, ALAN M. and RICE, HAROLD K. Observations of a Beaver (*Castor canadensis carolinesis*), Care, 24-Hour Activity Records and Performance on Simple Learning Tasks 317

HELMER, J. E. See DOEHRING, D. G.

JOHNSTON, M. See ULRICH, R.

KANTOR, J. R. Behaviorism: Whose Image? 499

KATZ, SANFORD The Reaction Time of Mediated Responses 57

KELLOGG, WINTHROP N. and RICE, CHARLES E. Visual Discrimination in a Bottlenose Porpoise 483

KESNER, RAY See PAUL, COLEMAN

U of N Bindery

LAYMAN, EMMA M., MULLICAN, FRANCES K., LOURIE, REGINALD S., TAKAHASHI, LILY Y. Cultural Influences and Symptom Choice: Clay Eating Customs in Relation to the Etiology of Pica....249
LINDEMAN, HERMAN H. and ADAMS, HENRY E. Deviant Responses to Ambiguous Visual Stimulus Patterns....73
LIVELY, BARRY L. See GROSSLIGHT, JOSEPH H.
LOURIE, REGINALD S. See LAYMAN, EMMA M.
LUCHINS, ABRAHAM S. The Problem of Truth in the Study of Perception....213
LUCHINS, ABRAHAM S. and LUCHINS, EDITH H. The Referent of the Frame of Reference....293
LUCHINS, ABRAHAM S. and LUCHINS, EDITH H. Half Views and Autokinetic Effect....415
LUCHINS, EDITH H. See LUCHINS, ABRAHAM S.
MADISON, HARRY L. A. Statistical Learning Model for Figural After-Effects....305
MALOTT, R. W. See SIDLEY, N. A.
MARX, MELVIN H. See TOMBAUGH, TOM N.
MARX, MELVIN H. See PIEPER, W. A.
MASON, WILLIAM A., SAXON, SUE V. and SHARPE, LAWRENCE G. Preferential Responses of Young Chimpanzees to Food and Social Rewards....341
MOUNTJOY, PAUL T. Note: Positive Transfer of Visual Training to the Müller-Lyer Figure....365
MOUNTJOY, PAUL T. Müller-Lyer Decrement as a Function of Number of Adjustment Trials and Configurations of the Illusion Figure....471
MOWRER, O. H. Cognitive Dissonance or Counterconditioning?—A Reappraisal of Certain Behavioral "Paradoxes"....197
MULLICAN, FRANCES K. See LAYMAN, EMMA M.
NEEDHAM, WALTER E. See CLINE, VICTOR B.
PAUL, COLEMAN and KESNER, RAY Effects of Overlearning Trials Upon Habit Reversal Under Conditions of Aversive Stimulation....361
PIEPER, W. A. and MARX, MELVIN H. Conditioning of a Previously Neutral Cue to the Onset of a Metabolic Drive: Two Instances of Negative Results....191
PLATT, JOHN R. See WIKE, EDWARD L.
PLUTCHIK, ROBERT Physiological Responses to High Intensity Intermittent Sound....141
POPPLESTONE, JOHN A. A Syllabus of the Exoskeletal Defenses....15
POPPLESTONE, JOHN A. and VAN EVERY, PHILIP Contrasting Forms of Somatic Over-Concern....26
POPPLESTONE, JOHN A. A Scale to Assess Hyperchondriasis: The Converse of Hypochondriasis....32
RATNER, STANLEY C. and RICE, F. EDWARD The Effect of the Listener on the Speaking Interaction....265
REYNIERSE, JAMES H., WEISMAN, RONALD G., and DENNY, M. RAY Shock Compartment Confinement During the Intertrial Interval in Avoidance Learning....403
RICE, CHARLES E. See KELLOGG, WINTHROP N.
RICE, F. EDWARD See RATNER, STANLEY C.
RICE, HAROLD K. The Responding-Rest Ratio in the Production of Gastric Ulcers in the Rat....11

RICE, HAROLD K. See HARTMAN, ALAN M.

RICHARDS, JAMES M. JR. See CLINE, VICTOR B.

RICHARDSON, J. See ULRICH, R.

ROBERTSON, MALCOLM and BROWNING, ROBERT The Effect of Brief Sensory Deprivation Upon Responses to a Word Association Test..259

ROBINSON, ELLEN The Effect of Degree of Knowledge of Results on Time Estimation.....355

SAXON, SUE V. See MASON, WILLIAM A.

SCHAEFFER, ROBERT W. N-Reinforcements and Extinction Responding.....347

SCHOENFELD, W. N. See SIDLEY, N. A.

SCHULTZ, DUANE P. Primacy-Recency Within a Sensory Variation Framework 129

SCOTT, DAVID See WIKE, EDWARD L.

SIDLEY, N. A., MALOTT, R. W. and SCHOENFELD, W. N. A Comparison of Cumulating and Non-Cumulating Time Out for Escape and Avoidance Behavior Under a Temporarily Defined Schedule of Negative Reinforcement.....175

SHARPE, LAWRENCE G. See MASON, WILLIAM A.

SIEGEL, PAUL S. and CORREIA, MANNING J. Speed of Resumption of Eating Following Distraction in Relation to Number of Hours Food-Deprivation 39

SLOUGH, DEWEY A. Experimental Precision and Tests of Hypothesis.....221

SPIGEL, IRWIN M. Autokinetic Movement of an Intermittent Luminance.....149

SPREEN, OTFRIED The Position of Time Estimation in a Factor Analysis and its Relation to Some Personality Variables.....455

STEPHENSON, WILLIAM Critique of Content Analysis.....155

STEPHENSON, WILLIAM Independency and Operationism in Q-Sorting.....269

TAKAHASHI, LILLY Y. See LAYMAN, EMMA M.

TOLMAN, CHARLES W. A Possible Relationship Between the Imprinting Critical Period and Arousal.....181

TOMBAUGH, TOM N. and TOMBAUGH, JO The Effects of Apparent Task Solubility and Reward Upon the Duration of Problem Solving Behavior 83

TOMBAUGH, TOM N. and MARX, MELVIN H. The Effects of Increasing and Decreasing Orders of Monetary Incentive on Resistance to Extinction in Children.....186

TOMBAUGH, JO See TOMBAUGH, TOM N.

ULRICH, R., JOHNSTON, M., RICHARDSON J., and WOLFF, P. The Operant Conditioning of Fighting Behavior in Rats.....465

VAN EVERY, PHILIP See POPPLESTONE, JOHN A.

WEISMAN, RONALD G. See REYNIERSE, JAMES H.

WENRICH, W. W. See CAHOON, D. D.

WIENER, EARL L. Note: On the Probability of Detection of a Signal by Multiple Monitors..... 79

WIKE, EDWARD L., PLATT, JOHN R., and SCOTT, DAVID Drive and Secondary Reinforcement: Further Extensions of Zimmerman's Work.... 45

WOLFF, P. See ULRICH, R.

ZIMMERMAN, DONALD W. Functional Laws and Reproducible Processes in Behavior.....163

BOOK REVIEWS

Book reviews by members of the editorial staff are identified by initials.

Editorial and Letters 380

ALEXANDER, P. *Sensationalism and scientific explanation.* (JRK) 524
ALLPORT, GORDON W. *Pattern and growth in personality.* (PS) 119
AMES, LOUISE BATES and ILG, FRANCES L. *Mosaic patterns of American children.* (Emma M. Layman) 122
ARDREY, R. *African genesis.* (PTM) 521
ARMSTRONG, D. M. *Bodily sensations.* (JRK) 377
ARNSPIGER, V. C. *Personality in social process.* (PS) 516
BACHRACH, ARTHUR J. *Psychological research: An introduction.* (J. D. Kelton) 524
BAKER, G. W. and CHAPMAN, D. W. *Man and society in disaster.* (PTM) 522
BARNES, KENNETH C. *He and she.* (L. O. Thayer) 244
BAUER, RAYMOND A. (ED.) *Some views on Soviet psychology.* (NHP) 122
BAUGHMAN, E. E. and WELSH, G. S. *Personality: A behavioral science.* (J. B. Ashbrook) 229
BENNETT, E. *Personality assessment and diagnosis.* (P.S) 379
BIEBER, IRVING (ED.) *Homosexuality, a psychoanalytic study of male homosexuals.* (R. Headlee) 239
BIRNBACH, M. *Neo-Freudian social philosophy.* (J. A. Cardno) 115
BONNER, HUBERT *Psychology of personality.* (PS) 119
BROADBENT, D. E. *Behavior.* (NHP) 237
BROWN, R., GALANTER, E., HESS, E. H., and MANDLER, G. *New directions in psychology.* (JRK) 234
CARVER, VIDA (ED.) C. A. *Mace A symposium.* (JRK) 378
CASSARA, BEVERLY BENNER (ED.) *American women: The changing image.* (L. O. Thayer) 240
CATTELL, R. B., and SCHEIER, I. H. *The meaning and measurement of neuroticism and anxiety.* (PS) 379
CRISWELL, J., SOLOMON, H., and SUPPES, P. (Eds.) *Mathematical methods in small group processes: Stanford mathematical studies in the social studies,* VIII. (Edith Neimark) 527
DALTON, R. H. *Personality and social interaction.* (PS) 516
DE GRAZIA, SEBASTIAN *Of time, work, and leisure.* (NHP) 243
de SAINT-YVES, L. *Selected writings of de Sade.* (PTM) 378
DETHIER, V. G. *To know a fly.* (Edith Neimark) 233
DETHIER, V. G. and STELLAR, E. *Animal behavior: Its evolutionary and neurological basis.* (SCR) 243
DINGWALL, ERIC J. *Some human oddities.* (PTM) 236
DINGWALL, ERIC J. *Very peculiar people.* (PTM) 236
DOBZHANSKY, T. *Mankind evolving.* (PTM) 521
DUFFY, E. *Activation and behavior.* (JRK) 235
EIDUSON, BERNICE T. *Scientists: Their psychological world.* (PEL) 238
EISSLER, RUTH S., et al. *The psychoanalytic study of the child, Vol.* 17. (NHP) 237
ESTABROOKS, GEORGE H. (ED.) *Hypnosis: current problems.* (C. S. Moss) 369
FARBER, SEYMOUR M. and WILSON, ROGER H. L. (Eds.) *Conflict and creativity* (Control of the mind, part 2). (PEL) 518
FRANKL, VIKTOR E. *Man's search for meaning: An introduction to logotherapy.* (D. W. Thorpe) 227
FULLER, JOHN L. *Motivation: A biological perspective.* (J. D. Kelton) 524

GARRETT, J. F. and LEVINE, E. S. (Eds.) *Psychological practices with the physically disabled.* (Valerie Reynolds Smith).....378
GOODY, J. *Death, property and the ancestors.* (PTM).....516
GRANT, VERNON W. *This is mental illness: How it feels and what it means.* (D. W. Thorpe).....376
GOERTZEL, VICTOR and MILDRED G. *Cradles of eminence.* (JHW).....374
HAEFELE, JOHN W. *Creativity and innovation.* (PEL).....517
HAHN, MILTON E. *Psychoevaluations adaptation-distribution-adjustment.* (L. O. Thayer).....518
HARVEY, O. J., HUNT, D. E., and SCHRODER, H. M. *Conceptual systems and personality organization.* (PS).....379
HAVIGHURST, R. J., BOWMAN, P. H., LIDDLE, G. P., MATTHEWS, C. V. and PIERCE, J. V. *Growing up in River City.* (W. S. Bennett).....230
HENLE, MARY (Ed.) *Documents of Gestalt psychology.* (WKH).....121
HENRIQUES, FERNANDO *Love in action: The sociology of sex.* (L. O. Thayer).....244
HIRT, MICHAEL (Ed.) *Rorschach science, readings in theory and method.* (J. W. Layman).....242
HSU, F. L. K. (Ed.) *Psychological anthropology: approaches to culture and personality.* (PS).....231
HUISMAN, D. (Ed.)*Encyclopedie de la psychologie.* (J. A. Cardno).....523
HUMPHREY, G. and ARGYLE, M. (Eds.) *Social psychology through experiment.* (PTM).....522
INDIANA UNIVERSITY PRESS. *Drug addiction: crime or disease?* (PTM).....375
JOHNSON, W. R. (Ed.) *Science and medicine of exercise and sports.* (PTM).....516
JONES, MARSHALL R. (Ed.) *Nebraska symposium on motivation,* 1962 (JRK) 234
JUNOD, H. A. *The life of a south Africa tribe.* (PTM).....522
KAPLAN, B. (Ed.) *Studying personality cross-culturally.* (PS).....231
KARDINER, A. and OVESEY L. *The mark of oppression: explorations in the personality of the American Negro.* (PTM).....118
KIERNAN, T. P. (Ed.) *Aristotle dictionary* (JRK).....239
KOCH, S. (Ed.) *Psychology: A study of a science. Vol.* 4. (JRK).....111
KOCH, S. (Ed.) *Psychology: A study of a science. Vol.* 5. (JRK).....513
KOCH, S. (Ed.) *Psychology: A study of a science. Vol.* 6. (JRK).....515
LANTZ, HERMAN R. and SNYDER, ELOISE C. *Marriage: An examination of the man-woman relationship.* (L. O. Thayer).....244
LEUBA, C. *Personality: Interpersonal relations and self-understanding.* (PS).....523
McCURDY, HAROLD G. *The personal world: an introduction to the study of personality.* (PS).....119
MALIS, GREGORY YU *Research on the etiology of schizophrenia.* (NHP).....230
MASLOW, ABRAHAM H. *Toward a psychology of being.* (D. W. Thorpe).....227
MORRIS, H. *Freedom and responsibility.* (ISW).....238
MULLAN, HUGH and ROSENBAUM, MAX *Group psychotherapy, theory and practice.* (J. L. Wilder).....116
MURPHY, LOIS BARCLAY and ASSOCIATES *The widening world of childhood: Paths toward mastery.* (Emma M. Layman).....241
MUUSS, ROLF E. *Theories of adolescence.* (J. D. Kelton).....524
NATANSON, M. (Ed.) *Alfred Schutz, collected papers* I: *The problem of social reality.* (JRK).....368

O'NEIL, W. M. *An introduction to method in psychology.* (J. D. Kelton)....114
PARKER, BEULAH *My language is me: Psychotherapy with a disturbed adolescent.* (L. O. Thayer)....244
PEVSNER, MARIA S. *Oligophrenia: mental deficiency in children.* (NHP)....230
PITTMAN, D. J. and SNYDER, C. R. *Society, culture, and drinking patterns.* (PTM)....516
PLUTCHIK, ROBERT *The emotions: Facts, theories, and a new model.* (J. D. Kelton)....524
POSTMAN, LEO (Ed.) *Psychology in the making.* (NHP)....243
PRINCE, WALTER FRANKLIN *Noted witnesses for psychic occurrences* (PTM)....236
PROVENCE, SALLY and LIPTON, ROSE C. *Infants in institutions.* (Emma M. Layman)....526
RIESE, HERTHA *Heal the hurt child.* (PEL)....517
ROSE, ARNOLD M. *Human behavior and social processes.* (L. O. Thayer)....518
ROSEN J. N. *Direct psychoanalytic psychiatry.* (ISW)....242
RUNES, DAGOBERT D. (Ed.) *Classics in logic: Readings in epistemology, theory of knowledge, and dialectics.* (JRK)....228
SCOTT, W. A. and WERTHEIMER, M. *Introduction to psychological research.* (J. D. Kelton)....114
SHER, JORDAN (Ed.) *Theories of the mind.* (J. A. Cardno)....377
SROLE, LEO, LANGNER, THOMAS S., STANLEY, T. MICHAEL, OPLER, MARVIN K. and RENNIE, THOMAS A. C. *Mental health in the metropolis, Vol. I.* (NHP)....228
STIMSON, D. (Ed.) *Sarton on the history of science: Essays by George Sarton.* (JRK)....376
STOODLEY, BARTLETT H. *Society and self: A reader in social psychology* (L. O. Thayer)....242
STRUNK, ORLO, JR. *Religion: A psychological interpretation.* (J. A. Cardno)....367
SWABEY, MARIE COLLINS *Comic laughter.* (NHP)....122
SWARTZ, P. *Psychology: the study of behavior.* (PTM)....373
TORRANCE, E. PAUL *Guiding creative talent.* (PEL)....368
THORNTON, H. and THORNTON, A. *Time and style, a psycholinguistic essay in classical literature.* (JRK)....523
TOLOR, A. and SCHULBERG, H. *An evaluation of the Bender-Gestalt test.* (J. A. Popplestone)....525
UMBARGER, C. C. et al. *College students in a mental hospital.* (ISW)....240
WALKER, E. L. and HEYNS, R. W. *An anatomy for conformity.* (SF)....231
WALLRAFF, CHARLES F. *Philosophical theory and psychological fact: An attempt at synthesis.* (PEL)....237
WATERS, R. H., RETHLINGSHAFER, D. A. and CALDWELL, W. E. (Eds.) *Principles of comparative psychology.* (SCR)....243
WEBB, W. B. (Ed.) *The profession of psychology.* (J. A. Cardno)....117
WHITING, BEATRICE B. (Ed.) *Six cultures: Studies of child rearing.* (Emma M. Layman)....517
WINN, RALPH B. (Ed. and Transl.) *Psychotherapy in the Soviet Union.* (J. M. Grossberg)....232
WOLSTEIN, BENJAMIN *Irrational despair.* (PEL)....519
YACORZYNSKI, G. K., ATKINSON, A. J., COHEN, J., and SHUFFLEBARGER, F. G. *Investigation of carbon dioxide therapy.* (D. M. McNair)....525

Important Separates from Recent Issues of THE PSYCHOLOGICAL RECORD

A Thesaurus of Psychological Techniques and Variables
Thomas B. Sprecher.....$1.00 p.p.

A Brief History of Educational Psychology
Robert I. Watson.....$1.00 p.p.

Scientific Creed–1961: Philosophical Credo
Scientific Creed–1961: Abductory Principles
Scientific Creed–1961: The Centrality of Self
William Stephenson.....$1.00 p.p.

Is the System Approach of Engineering Psychology Applicable to Social Organizations?
Thom Verhave.....$1.00 p.p.

A Syllabus of the Exoskeletal Defences
Contrasting Forms of Somatic Over-concern
A Scale to Assess Hyperchondriasis: The Converse of Hypochondriasis
John A. Popplestone.....$1.00 p.p.

Theory and Research in Mental (Developmental) Retardation
Sidney W. Bijou.....$1.00 p.p.

Half Views and Autokinetic Effect
Abraham S. Luchins and Edith H. Luchins.....$1.00 p.p.

Behaviorism: Whose Image?
J. R. Kantor.....$1.00 p.p.

Visual Discrimination in a Bottlenose Porpoise.
Winthrop N. Kellogg and Charles E. Rice.....$1.00 p.p.

These papers are suitable for seminar use. Orders of 10 or more copies (titles may be assorted) will receive 50% discount.

Subscriptions:
Institutions $6.00
Individuals $4.00
Students $3.00

THE PSYCHOLOGICAL RECORD
Denison University
Granville, Ohio